

KENWOOD



Communications Solutions



Radio Categories

Multi-Digital Protocol



NX-5200/5300/5400



- 6 W (136-174 MHz) Models
- 5 W (380-470, 450-520 MHz) Models
- 3 W (700/800 MHz) Models
- Multi-Digital + FM Analog Operation
 - NXDN® Conventional
 - NXDN® Type C Trunked
 - P25 Phase 1 Conventional/Trunked
 - P25 Phase 2 Trunked
 - FM Analog Conventional/Trunked
- 6 Front & 2 Side PF keys
- 12-Key Keypad Models Available
- Maximum Channels per radio = 1,024 (up to 4,000 channels with option)
- Number of Zones = 128
- Maximum Number of P25 Trunked Group ID's = 512
- Maximum Number of P25 Conventional Talkgroup ID's = 1,500
- Color 1.74" (240 x 180 pixel) Transflective TFT Display
- Built-in Bluetooth® Ver. 3.0 Class 2 (2.5mW / up to 10m)
- Active Noise Reduction (ANR)
- 1 W Loud Speaker Audio
- Built-in GPS Receiver w/Internal Antenna
- microSD / microSDHC Memory Card Slot
- Easy to Follow Selectable GUI
- Front Panel Programming
- Intelligent Battery Information Display
- AES/DES Voice & Data Encryption
- DES/AES Software Keyloader
- OTAP & OTAP Manager
- USB Programming Cable
- Trunking Authentication (AES128)
- Over-The-Air-Alias
- P25 Paging
- P25 Text Data
- P25 Vote Scan
- Built-in Motion Sensor - Man Down
- Emergency / AUX Key
- MDC-1200
- FleetSync®/II
- IP67/68 & MIL-STD-810 C/D/E/F/G



NX-5700/5800



- 5 W - 50 W (136-174 MHz) Models
- 5 W - 45 W (380-470, 450-520 MHz) Models
- Multi-Digital + FM Analog Operation
 - NXDN® Conventional
 - NXDN® Type C Trunked
 - P25 Phase 1 Conventional/Trunked
 - P25 Phase 2 Trunked
 - FM Analog Conventional/Trunked
- 6 Front PF keys & 4 Up / Down Selectors
- Dual Remote Control Head
- Multi-Band (Multi RF Deck) Control
- 4 W/4 Ω; 3 W/4 Ω for the Remote Control Head
- Maximum Channels per radio = 1,024 (up to 4,000 channels with option)
- Number of Zones = 128
- Maximum Number of P25 Trunked Group ID's = 512
- Maximum Number of P25 Conventional Talkgroup ID's = 1,500
- Color 2.55" (154 x 422 pixel) TFT Display
- Built-in Bluetooth® Ver. 3.0 Class 2 (2.5mW / up to 10m)
- Active Noise Reduction (ANR)
- DB-25 Accessory Connector
- 4 W Speaker Audio
- Built-in GPS Receiver
- microSD / microSDHC Memory Card Slot
- Easy to Follow Selectable GUI
- AES/DES Voice & Data Encryption
- DES/AES Software Keyloader
- Over-The-Air-Alias
- P25 Paging
- P25 Text Data
- P25 Vote Scan
- Emergency / AUX Key
- MDC-1200
- FleetSync®/II
- IP54/55 & MIL-STD-810 C/D/E/F/G



TK-5210G/5310G



- 136-174 MHz, 5W
- 450-520, 380-470 MHz, 4W
- 100 Zone / 1024 Channels Models
- FM Conventional
- P25 Conventional
- P25 Trunked Option
- Basic, 4-Key & 4-Key / DTMF Models
- 16-Character Alphanumeric LCD
- 3 Side PF Keys, Emergency Key
- FleetSync® II, MDC-1200
- Toggle & 3-Position Switches
- DES, AES & OTAR Options
- VGS-1 Option / Easy Option Port
- Immersion Option
- Factory Mutual Intrinsically Safe Option



TK-5220/5320



- 136-174 MHz, 5W
- 400-470, 450-520 MHz, 5W
- 128 Zones / 512 Channels
- P25 Conventional
- P25 Trunked Option
- 12-Keypad Models
- 14-Character Alphanumeric LCD
- 8 Programmable Function/LCD menu keys
- 16-Position Selector Knob with detent feel & mechanical stop
- FleetSync® II, MDC-1200
- Emergency Features
- AES & DES Encryption Module
- VGS-1 Option / Easy Option Port
- Immersion Option
- Factory Mutual Intrinsically Safe Option



TK-5410D



- 700/800 MHz, 3W
- 1024 Channels, 100 Zones
- P25 Conventional / Phase 2 Trunked
- 4-Key & 4-Key / DTMF Models
- 16 Character Alphanumeric Aliases
- 16-Position Selector Knob
- 3 Side PF Keys, Emergency Key
- Toggle & 3-Position Switches
- Priority Monitor Scan
- Dual Priority Scan
- Limited Talk Group Scan
- Caller ID Display
- DTMF Encode
- Emergency Call Features
- AES & DES Encryption Module
- VGS-1 Option / Easy Option Port
- Immersion Option

P25 Digital

TK-5710G/5810G



- 136-174 MHz, 50W/110W Models
- 450-520, 400-470 MHz, 45W Models
- 450-480, 408-433 MHz, 110W Models
- 100 Zones / 1024 Channels
- FM Conventional
- P25 Conventional
- P25 Trunked Option
- Rotary Zone / Channel Selector
- Rotary Volume Knob
- Dual Priority Scan
- Limited Talk Group Scan
- Priority Monitor Scan
- Remote Monitor/Check/Inhibit
- FleetSync® II, MDC-1200
- Emergency Call Functions
- DTMF Decode / Encode
- Two-Tone Decode
- Tactical Group, OST
- DES, AES & OTAR Options
- VGS-1 Option / Easy Option Port
- Encryption / ANI Control (FM)
- DB-25 & 9-Pin Accessory Connectors

TK-5720/5820



- 136-174 MHz, 50W Models
- 400-470, 450-520 MHz, 45W Models
- 128 Zones/512 Channels
- P25 Conventional
- P25 Trunked Option
- Backlit Dot Matrix LCD
- 9 Programmable AUX I/Os
- Dual Priority Scan
- Limited Talk Group Scan
- Priority Monitor Scan
- Remote Monitor/Check/Inhibit
- FleetSync® II, MDC-1200
- Emergency Call Functions
- DTMF Decode / Encode / Stun
- Two-Tone Decode / Encode
- Tactical Group, OST
- AES & DES Encryption Module
- VGS-1 Option / Easy Option Port
- Encryption / ANI Control (FM)
- DB-25 Accessory Connectors

TK-5910



- (763-806 MHz) 30W
- (806-870 MHz) 35W
- 100 Zones / 1024 Channels
- P25 Conventional / Trunked
- Backlit Dot Matrix LCD
- 3-Digit Sub-Display
- Single Zone/Multi-Zone Scan
- Dual Priority Scan
- Limited Talk Group Scan
- Priority Monitor Scan
- Remote Monitor/Check/Inhibit
- Emergency Features
- DTMF Encode
- Two-Tone Decode
- AES & DES Encryption Module
- VGS-1 Option / Easy Option Port
- DB-25 & 9-Pin Accessory Connectors

NEXEDGE® Digital

NX-200G/300G

NXDN® FleetSync® MPT1327



- 136-174 MHz, 5W
- 450-520, 400-470 MHz, 5W
- 512 CH-GID / 128 Zones
- 14-Character Alphanumeric LCD
- NXDN® Digital Conventional / Trunked
- 6.25 & 12.5 kHz Channels
- Over-the Air Alias
- Over-the Air Programming
- NXDN® Scrambler Included
- AES & DES Encryption
- Built-in GPS Receiver

NX-210G/410/411

NXDN® FleetSync® MPT1327



- 136-174 MHz, 5W
- 806-870 MHz, 3W
- 896-941 MHz, 2.5W
- 512 CH-GID / 128 Zones
- 14-Character Alphanumeric LCD
- NXDN® Digital Conventional / Trunked
- 6.25 & 12.5 kHz Channels
- Over-the Air Alias
- Over-the Air Programming
- NXDN® Scrambler Included
- AES & DES Encryption
- Built-in GPS Receiver (NX-210G only)



NX-220/320/420

NXDN® FleetSync®   **MPT1327**

- 136-174 MHz, 5W
- 450-520, 400-470, MHz, 5W
- 806-870 MHz, 3W
- 260 CH-GID / 128 Zone Models
- 64CH-GID / 4 Zone Models
- 8-Character Alphanumeric LCD
- NXDN® Digital Conventional / Trunked
- 6.25 & 12.5 kHz Channels
- Over-the Air Alias
- Over-the Air Programming
- NXDN® Scrambler Included



NX-240V/340U

NXDN® FleetSync®   **MPT1327**

- 5 W (136-174 MHz) VHF
- 5 W (450-520 MHz) UHF
- Max. 16 CH per Zone
- 2 Conventional Zones
- On/Off Volume Knob
- 2 PF Keys
- Emergency Call Features
- NXDN® Digital Air Interface
- 6.25 & 12/5 kHz Channels
- Over-the-Air Alias (TX Only)



NX-700(H)/800(H)/900/901

NXDN® FleetSync®   **MPT1327**

- 136-174 MHz, 30 & 50W
- 450-520, 400-470 MHz, 30 & 45W
- 806-870, 896-941 MHz, 15W
- 512 CH-GID / 128 Zones
- 14-Character Alphanumeric LCD
- Dash & Remote Mount
- NXDN® Digital Conventional / Trunked
- 6.25 & 12.5 kHz Channels
- Over-the Air Alias
- Over-the Air Programming
- NXDN® Scrambler Included
- P25 Digital Upgradable (VHF/UHF models only)
- AES & DES Encryption



NX-720HG/820HG/920G

NXDN® FleetSync®   **MPT1327**

- 136-174 MHz, 50W
- 450-520, 400-470 MHz, 45W
- 806-870, 15W
- 260 CH-GID / 128 Zones
- 10-Character Alphanumeric LCD
- Built-In GPS Receiver
- NXDN® Digital Conventional / Trunked
- 6.25 & 12.5 kHz Channels
- Over-the Air Alias
- Over-the Air Programming
- NXDN® Scrambler Included



NX-740HV/840HU

NXDN® FleetSync®   **MPT1327**

- 50 W (136-174 MHz) Model
- 45 W (450-520 MHz) Model
- Max. 16 CH per Zone
- 9 Programmable Function Keys
- GPS Receiver Option
- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias (TX Only)
- NXDN® Scrambler Included



TK-190



- 29.7-37, 37-50 MHz, 6W
- 16 Channels
- Priority Scan
- 7 Character Alphanumeric Top LCD
- 5 PF Keys, PF Toggle, Mech. Selector
- DTMF Encode / Decode
- Two-Tone Decode, OST



TK-290/390



- 136-174 MHz, 5W
- 450-490 MHz, 4W
- 160 Channels
- Priority Scan
- 7 Character Alphanumeric Top LCD
- 5 PF Keys, PF Toggle, Mech. Selector
- FleetSync®
- DTMF Encode / Decode
- Two-Tone Decode, OST



TK-2170/3170



- 136-174 MHz, 5W
- 450-490, 400-430 MHz, 4W
- 128 Channels / 128 Zones
- Priority Scan
- 8-Character Alphanumeric LCD
- 7 PF Keys
- DTMF & Two-Tone Decode / Encode
- FleetSync®
- Voice Inversion Scrambler Built-In
- Encryption / ANI Control
- Intrinsically Safe Option



TK-2312/3312



- 136-174 MHz, 5W
- 450-520, 400-470 MHz, 5W
- 128 Channels / 128 Zones
- Priority Scan
- 8-Character Alphanumeric Aliases
- 7 Front / 2 Side PF Keys
- DTMF & Two-Tone Decode / Encode
- FleetSync®, MDC-1200
- Voice Inversion Scrambler Built-In



TK-2360/3360



- 136-174 MHz, 5W
- 450-520, 400-470 MHz, 5W
- 16 Channels
- Single Priority / Normal Scan
- 3 PF Keys (w/Hold Function)
- DTMF Decode / Encode
- Two-Tone Decode
- FleetSync® II, MDC-1200
- Voice Inversion Scrambler Built-in



TK-2400/3400



- 136-174 MHz, 2W
- 450-520 MHz, 2W
- 4 & 16 Channel Models
- Single Priority / Normal Scan
- 2 PF Keys
- 1.0 W Speaker Audio
- FleetSync®
- DTMF Encode / Decode
- VOX Ready
- Voice Inversion Scrambler Built-In
- Voice Annunciation



TK-2402V/3402U



- 136-174, MHz, 5W
- 450-520 MHz, 5W
- 16 Channels Models
- Single Priority / Normal Scan
- 2 PF Keys
- 1.0 W Speaker Audio
- FleetSync®
- DTMF Encode / Decode
- VOX Ready
- Voice Inversion Scrambler Built-In
- Emergency Call Features

FM Analog Conventional



TK-690/790/890



- 148-174 MHz, 45/110W
- 450-490, 480-512, 40/100W
- 29.7-37, 35-43, 39-50 MHz, 110W
- 160 Channels
- Dual Priority Scan
- FleetSync®
- DTMF Encode / Decode
- Two-Tone Decode, OST
- Encryption / ANI Control
- DB-25 & 9-Pin Accessory Connectors



TK-6110



- 29.7-37, 35-50 MHz, 70W
- 32 Channels
- Priority Scan
- 8 Character Alphanumeric LCD
- 7 Programmable Keys
- Noise-Blanker
- DTMF Decode / Encode
- Two-Tone Decode, OST
- Encryption / ANI Control
- Accessory Connector



TK-7302HV/8302HU



- 136 -174 MHz, 25W/50W Models
- 450 -520 MHz, 25W/45W Models
- 16 Channels / 2 Zones
- 2 Digit LED Channel Display
- 9 PF Keys
- Single Priority Scan
- FleetSync® II, MDC-1200
- DTMF & Two-Tone Decode / Encode
- Voice Inversion Scrambler Built-In
- Encryption Board Control
- DB-15 Accessory Connector

FM Analog Trunking



TK-2180/3180



- 136-174 MHz, 5W
- 450-520, 400-470 MHz, 5W
- 512 CH/128 Zones/512 GID
- 12 Character Alphanumeric LCD
- 6 PF Keys
- Dual Priority Scan
- FleetSync® II
- DTMF & Two-Tone Decode/Encode
- Voice Inversion Scrambler Built-In
- Encryption / ANI Control
- VGS-1 Option / Easy Option Port
- PassPort® NTS Option
- MPT Option
- Factory Mutual Intrinsically Safe Option

FM Analog LTR Trunking



TK-3173

FleetSync



- 450-490 MHz, 4W
- 128 Channels / 128 Zones
- Priority Scan
- 8-Character Alphanumeric LCD
- 7 PF Keys

- DTMF & Two-Tone Decode / Encode
- FleetSync®
- Voice Inversion Scrambler Built-In
- Encryption / ANI Control
- Intrinsically Safe Option



TK-7180/8180

FleetSync



- 136-174 MHz, 30/50W
- 450-520, 400-470 MHz, 30/45W
- 512 Channels / 128 Zones / 512 GID
- 12 Character Alphanumeric LCD
- 6 PF Keys
- Dual Priority Scan
- FleetSync® II

- DTMF & Two-Tone Decode/Encode
- Voice Inversion Scrambler Built-In
- Encryption / ANI Control
- DB-25 Accessory Connector
- PassPort™ NTS Option
- Remote Mount Option



TK-7360HV/8360HU

FleetSync



- 136 -174 MHz, 50W
- 450 -520 MHz, 45W
- 128 Channels / 128 Zones
- 10 Alphanumeric LCD
- 10 PF Keys
- Single Priority Scan

- FleetSync® II, MDC-1200
- DTMF & Two-Tone Decode / Encode
- Voice Inversion Scrambler Built-In
- Encryption Board Control
- DB-15 Accessory Connector

On-Site Radios



ProTalk®

TK-2400V4P/V16P
TK-3400U4P/U16P



- 151-159, 451-470 MHz, 2W
- 4 & 16 Channel Models
- 27 VHF & 90 UHF Pre-Stored Frequencies
- 39 QT Tones / 168 DQT Codes
- 2 PF Keys, Key Lock
- 1.0 W Speaker Audio
- Normal Scan
- VOX Ready
- Voice Inversion Scrambler Built-In
- Voice Annunciation

ProTalk® XLS

TK-3230



- 6 Channel, 1.5W, 460-470 MHz
- 64 User-Programmable Frequencies
- 39 QT/83 DQT Coded Squelch
- Super Lock
- Scan Function
- VOX Ready, Privacy Talk Scrambler
- 10-Call Alert Tone
- 4-Digit 7-Segment LCD with Backlight
- 3 Level battery Indicator



ProTalk® LT

PKT-23



- 1.5 Watts Transmit Power
- 4 Channels
- 39-QT/168-DQT Coded Squelch
- Super Lock (Manager Key Lock)
- Scan Function
- 2 PF Keys
- Enhanced Kenwood Audio



- VOX Ready
- Voice Announcement
- LED Battery Status Indicator
- 1,430 mAh Li-Ion battery with up to 15 hours of talk time (5-5-90*) and 3 hour fast charge
- IP54 & MIL-STD 810 C/D/E/F/G 11 items
- 2-year Radio Warranty

*5-5-90 - 5% Transmit, 5% Receive and 90% Standby Modes

Repeaters & Base Stations

NXR-700/700E*/800/800E*/900/901

NXDN®



- 136-150, 146-174 MHz
- 400-430, *440-470, 450-480, 480-512 MHz
- 806-870, 896-941 MHz
- 40 / 110 / 250 Watt VHF and UHF Systems
- *5-25 W Output
- 40 / 80 / 130 Watt 800 MHz Systems

- Repeater Operation
- Duplex / Simplex Base Operation (VHF/UHF models only)
- 30 CH Scanning Base (VHF/UHF Conventional)
- Internal & External Speaker Audio
- Program / Modem and Remote Interface
- DTMF PF Key & AUX I/O Mon/Control

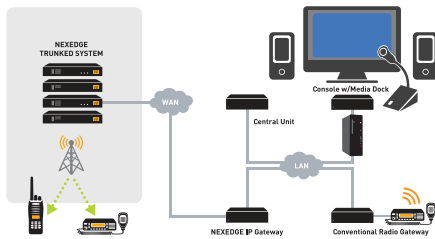
NXR-710/810

NXDN®



- 136-174 MHz, 50W
- 400-470, 450-520 MHz, 40W
- 50 / 40W @ 50% Duty
- 25 / 25W @ 100% Duty
- Repeater or Duplex / Simplex Base

- 30 CH Scanning Base (Conventional)
- 6 Programmable Function Keys
- External Speaker Audio
- Program / Modem Interface
- DTMF PF Key & AUX I/O Mon/Control



NEXEDGE® MAX Dispatch Console System

- Administrative Telephony
- PTT/Caller ID and Alias
- Master and individual channel volume controls
- Dynamic and permanent groups
- Patching – radio to radio; radio to phone

- Instant Call paging, stacks, and manual page
- Group / Individual / Status / Emergency Call
- Selectable Talk Group
- Encryption
- DES, AES, Scramble

TKR-750/850



- 146-174, 136-150, MHz
- 450-480, 480-512, 400-430 MHz
- 25-50W (VHF) 25-40W (UHF) Adjustable
- 2U, 19" Rack Mount Design
- Primary DC Input Connector

- Auto-Switched Back-up Battery DC Input Connector
- Rear External Speaker Output (4 Watts Audio)
- Rear Test-Speaker-AUX Connector (15-Pin)
- DSP Processed QT/DQT and Companded Audio
- QT/DQT Squelch-Tail Elimination

TKR-751/851



- 146-174, 450-480, MHz
- 1-25W (VHF & UHF) Adjustable
- 2U, 19" Rack Mount Design
- Primary DC Input Connector
- Auto-Switched Back-up Battery DC Input Connector

- Rear External Speaker Output (4 Watts Audio)
- Rear Test-Speaker-AUX Connector (15-Pin)
- Pre-Emphasis On/Off Control (at TA AUX Input)
- DSP Processed QT/DQT and Companded Audio
- QT/DQT Squelch-Tail Elimination



TKB-6900

- 7-channel tone remote
- 2-channel tone or DC remote, 2-wire or 4-wire
- Voting encoder (4-wire)
- External local speaker
- Low-voltage disconnect

- Morse Code Identifier (CWD)
- Line Disable/Intercom/Monitor functions
- Rear terminal interface connection panel
- Separate receiver input connector
- High-power amplifiers up to 300W

Custom Systems

When the complexities and geographic scope of a radio communication solution requires a custom system, the Kenwood Systems Division is prepared to analyze, engineer and install a system crafted specifically for those unique requirements. Customers served by the Kenwood Systems Division include counties and large municipalities and major manufacturing, education and hospitality campuses throughout the U.S.

The Kenwood Systems Division team is prepared to evaluate the customer site and make recommendations for the optimum solution in a variety of analog and digital protocols, including MPT 1327, LTR®, P25, NEXEDGE® and others. After completing a rigorous engineering review, the Systems Division will design a custom solution to optimize coverage, including in-building coverage, creating a robust system backbone ideally matched to the customer's precise requirements.

The Kenwood Systems Division will assemble, usually in partnership with a Kenwood Authorized Dealer, an installation team that will quickly establish the customer's turn-key communications solution and provide reliable after-installation support.



What Our Customers Are Saying

"We converted our radio system to the Kenwood NEXEDGE® digital radio system. We have had remarkable success with the system. The system has far surpassed our expectation in coverage and clarity of signal. We're after what keeps our officers safe and we have to use our money wisely. We are extremely pleased with the overall performance of the system."

William T. (Tracy) Neal, Communications Director, McDuffie County Sheriff's Office

"Georgia Aquarium is a unique facility. We are the world's largest aquarium, hosting approximately 2.4 million annual visitors. The building houses nearly 600,000 square feet and 10 million gallons of water, and is made up of hundreds of thousands of yards of concrete and steel, with walls up to four feet thick in places. Basically, because Kenwood can get fantastic two-way radio communications in this very challenging facility, they can get it in any building."

H. Alan Davis, Director of Safety and Security, Georgia Aquarium, Inc.

"We especially like the size, the durability and the battery life of the portables and use them for fire, EMS and SAR. Once, we dropped a portable radio off a ledge that was so high, we had to use the helicopter to retrieve it. We snapped a new battery on and it was a good as new."

Greg Pace, Wayne County EMS

"We needed a system that would cover not only a large building but also extensive grounds. We also required a level of security that the system's encryption feature offered. Being a service based organization, we rely heavily on our Kenwood system to keep our operation running smoothly and seamlessly and it has never failed us. Our entire staff relies on our Kenwood system on a daily basis; from dispatching attendants to slot machines, to housekeepers cleaning hotel rooms. On my first visit to Leelanau Sands Casino after our Kenwood system was installed, I took along my NX radio and made the first radio call at over 20 miles away – I was heard loud and clear. That is power and performance!"

Jason Clark, 1st Shift Security Supervisor, Turtle Creek Casino Security, Grand Traverse Resort and Casinos

"I've been around for 30 plus years in this business and I've seen everything and this is one of the best. A lot of co-ops are in a scramble, worried about narrowbanding, now it's crunch time. For us, it's no sweat, we were able to do narrowbanding seamlessly. If you start a tick list and include everything we like about the NEXEDGE radios, it includes clarity, coverage, AVL capabilities and expandability...and the list goes on and on."

Jeff Newman, Coordinator of Mapping and Communications, WIN Energy REMC





Specifications are subject to change without notice, due to advancements in technology.

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